



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

MF-11

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LMC1/0823

BRUCE E. GARLICK
GARLICK & HARRISON
P.O. BOX 691
SPICEWOOD TX 78669-0691

| APPLICATION NO. | FILING DATE | TOTAL CLAIMS | EXAMINER AND GROUP ART UNIT | DATE MAILED |
|-----------------------|-------------|-----------------------------------|-----------------------------|---------------|
| 09/039,010 | 03/13/98 | 009 | CRAVER, C | 2744 08/23/00 |
| First Named Applicant | LEUNG, | 35 USC 154(b) term ext. = 0 Days. | | |

TITLE OF INVENTION METHOD AND APPARATUS FOR NETWORK INITIATED PARAMETER UPDATING

| ATTY'S DOCKET NO. | CLASS-SUBCLASS | BATCH NO. | APPLN. TYPE | SMALL ENTITY | FEE DUE | DATE DUE |
|-------------------|----------------|-------------|-------------|--------------|-----------|----------|
| 2 | 17275-PO30US | 455-419.000 | R06 UTILITY | NO | \$1210.00 | 11/24/00 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability

Application No.
09/039,010

Applicant(s)
Leung et al

Examiner
Charles Craver

Group Art Unit
2744



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to amendment received 8-4-00

☒ The allowed claim(s) is/are 14, 16-18, 20-22, and 28 (renumbered)

☒ The drawings filed on Mar 13, 1998 are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☒ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

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DETAILED ACTION

Allowable Subject Matter

1. Claims 14, 16-18, 20-22 and 28 are allowed and have been renumbered 1-8. Claims 1-12, 15, 19 and 23-27 have been canceled.

2. The following is a statement of reasons for allowance:

Claims 14 and 18 teach towards an apparatus and method for alerting a network that an attempt to update data in a mobile station has failed, wherein said network sets a flag showing an update is pending (i.e. not completed), and a flag for reinitiating the update process, and setting said first flag in conjunction with HLR data when said mobile station is not available. While the prior art shows an HLR which may be used in such a system (see Mizikovsky), the prior art does not teach or suggest setting an update pending flag in conjunction with data from said HLR when a mobile unit is not available.

Claim 17 teaches towards an apparatus and method such as that taught in claim 14, wherein the over-the-air parameter administration pending flag is set in conjunction with MSC based data when an attempted update is not completed, and when an update is not completed in a predetermined way, said flag indication is transferred to the HLR in the system. Claim 28 teaches a similar system, wherein said transfer occurs in response to inability to update the mobile station due to inactivity.

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Claims 21 and 22 teach toward a method and apparatus for validating a mobile station for the purpose of updating data in said mobile station, wherein said mobile station generates a secret word which is a combination of a first and second word inside said mobile station, and wherein a second secret word is generated, derived from network data, said second secret word being a combination of the first two combined words and a copy of the first word, supplying said second secret word to the mobile station, and comparing said secret words (first and second) within said mobile station. The prior art teaches the use of secret data, but does not disclose or suggest the extra steps in the validation process taught by the applicant.

Claims 14, 17, 18, 21, 22 and 28 are neither taught nor suggested by the prior art. Claims 16 and 20 are allowed based upon their dependence upon allowable claims 14 and 18, respectively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

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or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 305-9508 (for informal or draft communications, please label "PROPOSED"
or "DRAFT")

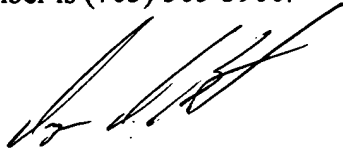
Hand delivered responses should be brought to Crystal Park II, 2121 Crystal
Drive, Arlington VA, sixth floor (receptionist).

4. Any inquiry concerning this communication or earlier communications from the examiner
should be directed to Charles Craver whose telephone number is (703) 305-3965.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,
Dwayne Bost, can be reached on (703) 305-4778.

Any inquiry of a general nature or relating to the status of this application or proceeding
should be directed to the Group receptionist whose telephone number is (703) 305-3900.

CC
C. Craver
August 17, 2000


DWAYNE D. BOST
SUPERVISORY PATENT EXAMINER
GROUP 2700